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## *Short Communication*

# Replacement value of *Etanda africana* seed meal for soybean meal in diet of growing West African dwarf goats

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## Abstract

Effect of feeding *Etanda africana* seed meal on the consumption, weight gain and digestion of West African dwarf (WAD) goats (n=15) were determined in a 56 day feeding trial using a completely randomized experimental design. The *E. africana* seed meal replaced either 50 or 100% of the soybean meal in diets B and C respectively, while diet A (control) contained 15% soybean meal. Other ingredients in the supplement included rice husks 20%, palm kernel 10%, vitamin-mineral premix 1% and salt 1%. Total dry matter intake and ether extract intake were similar among diets; however, the ether extract intake of diet C was numerically higher compared to the other diets. Conversely, the lignin intake and crude fibre intake were higher for diet C compared to other diets (A and B). Average daily weight gain was similar across the three diets. Digestibilities of crude protein and lignin were greater for diet A (control) than for diets containing *E. africana* seed meal ( $P < 0.05$ ). However, digestibilities of crude fibre, ether extract, acid detergent fibre and neutral detergent fibre were similar ( $P > 0.05$ ) in all the three diets. The results of this trial suggest that *E. africana* seed meal can replace soybean meal in the diet of growing WAD goats.

**Key words:** *Etanda africana* seed meal, feed intake, weight gain, digestibility coefficient, soybean meal, WAD goat.

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